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To : Commissioner for Patents
Attn : **VICTOR J. TAYLOR**
Fax No : 1-571-273-8300
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Subject : **PGS-03-03US**
Supplementary Response to Office Action

From : E. Eugene Thigpen
Date : 16 November 2005
Pages : 11 (including this page)
Fax No : 281-509-8085

Attached are the Transmittal Form and Supplementary Response to Office Action.

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PTO/SB/21 (09-04)

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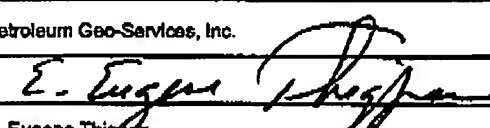
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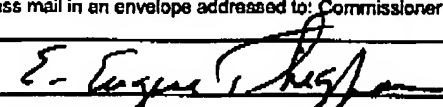
TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/668,809
	Filing Date	September 23, 2003
	First Named Inventor	Rune MITTET
	Art Unit	2863
	Examiner Name	Victor J. Taylor
Total Number of Pages in This Submission	Attorney Docket Number	PGS-03-03US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks _____ Other: - Return Postcard		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Petroleum Geo-Services, Inc.		
Signature			
Printed name	E. Eugene Thigpen		
Date	November 18, 2005	Reg. No.	27,400

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	E. Eugene Thigpen	Date	November 18, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NOV 16 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	§	Group Art Unit: 2863
Rune Mittet	§	
	§	
Serial No. 10/668,909	§	Examiner: Victor J. Taylor
	§	
Filed: September 23, 2003	§	
	§	
Title: METHOD FOR SEISMIC	§	Atty Docket No. PGS-03-03US
MIGRATION USING EXPLICIT	§	
DEPTH EXTRAPOLATION	§	
OPERATORS WITH	§	
DYNAMICALLY VARIABLE	§	
OPERATOR LENGTH	§	

Mail Stop Amendment

Commissioner for Patents
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SUPPLEMENTARY RESPONSE TO OFFICE ACTION**(A) INTRODUCTORY COMMENTS**

This letter is in response to the first Office Action, mailed May 18, 2005, in the patent application identified above. This response is supplementary to the previous response mailed on August 18, 2005.

Claims 1-16 are pending in the patent application. Claim 1 has been amended and claim 2 has been canceled. It is believed that this amendment will place the application into condition for allowance. A complete set of claims, including amended claims, are presented below in Section (B) Amendments to the Claims. These amendments are discussed below in Section (C) Remarks.

The sections of this response begin on the following pages:

page 1	(A) Introductory Comments
page 2	(B) Amendments to the Claims
page 8	(C) Remarks